Journal of Non-Crystalline Solids 142 (1992) 293–294
North-Holland

Author index

Abe, I., see Hosono 142 (1992) 287
Abe, Y., see Hosono 142 (1992) 103
Afify, N., Calorimetric study on the crystallization of a $Se_{0.8}Te_{0.2}$ chalcogenide glass 142 (1992) 247
Aggarwal, I.D., see Jewell 142 (1992) 260
Assinck, R.A., see Davis 142 (1992) 197

Bayliss, S.C., see Singh 142 (1992) 113
Beauchamp, G., see Coffer 142 (1992) 208
Bernards, T.N.M., E.W.J.L. Oomen, M.J. van Bommel and A.H. Boonstra, The effect of TEOG on the hydrolysis–condensation mechanism of a two-step sol–gel process of TEOS 142 (1992) 215
Bhatia, K.L., see Malik 142 (1992) 55
Bockris, J.O'M., see He 142 (1992) 108
Bolden, E.A., see Shelby 142 (1992) 269
Boonstra, A.H., see Bernards 142 (1992) 215
Brinker, C.J., see Davis 142 (1992) 189
Brinker, C.J., see Davis 142 (1992) 197

Chen, H.S., see Okumura 142 (1992) 165
Coffer, J.L., G. Beauchamp and T.W. Zerda, Porous silica glasses doped with quantum-confined cadmium selenide 142 (1992) 208
Craievich, A.F., see Vollet 142 (1992) 181
Crichton, S.N. and S. M. Rekhson, Measuring stress relaxation in a compression relaxometer 142 (1992) 133

Dai, Y., T. Kawaguchi, K. Suzuki, S. Suzuki and K. Yamamoto, Surface modification of fluorozirconate glass by low energy nitrogen ion implantation 142 (1992) 159
Davis, E.A., see Singh 142 (1992) 113
Davis, P.J., C.J. Brinker and D.M. Smith, Pore structure evolution in silica gel during aging/drying. I. Temporal and thermal aging 142 (1992) 189
Davis, P.J., C.J. Brinker, D.M. Smith and R.A. Assinck, Pore structure evolution in silica gel during aging/drying. II. Effect of pore fluids 142 (1992) 197
Deguchi, K., see Hosono 142 (1992) 103
Dürrwächter, M., see Ott 142 (1992) 278

Epelbaum, M., see Zotov 142 (1992) 234

Fagherazzi, G., P. Riello and G.C. Righini, Structural characterization of Cd(Se,S)-doped glasses 142 (1992) 63
Farok, H.M., G.A. Saunders, W. Poon and H. Vass, Low temperature fluorescence, valence state and elastic anomalies of samarium phosphate glasses 142 (1992) 175

Geus, J.W., see Kloprogge 142 (1992) 87
Geus, J.W., see Kloprogge 142 (1992) 94
Gurman, S.J., see Singh 142 (1992) 113

Haghani, M.A., see Ott 142 (1992) 278
He, M.Z., G.H. Lin and J.O'M. Bockris, Hydrogenated amorphous silicon sulfur alloy deposited with hydrogen dilution 142 (1992) 108
Hirao, K., see Tanabe 142 (1992) 148
Hiratsuka, R.S., see Vollet 142 (1992) 181
Hosono, H., Y. Abe and K. Deguchi, Proton-magic-angle-spinning NMR and IR absorption spectra of strongly hydrogen-bonded hydroxyl groups in oxide glasses 142 (1992) 103
Hosono, H., Y. Suzuki, I. Abe, K. Oyoshi and S. Tanaka, Formation of nanoscale phosphorus colloids in implanted SiO_2 glass 142 (1992) 287

Inoue, A., see Okumura 142 (1992) 165

Jansen, J.B.H., see Kloprogge 142 (1992) 87
Jansen, J.B.H., see Kloprogge 142 (1992) 94
Jewell, J.M. and I.D. Aggarwal, Thermal lensing in heavy metal fluoride glasses 142 (1992) 260
Joshi, B.C. and M.C. Joshi, Sensitizing Pr^{3+} ions by Tm^{3+} ions in phosphate glass 142 (1992) 171
Joshi, M.C., see Joshi 142 (1992) 171

Katulevskii, Yu.A., M.A. Magrupov and A.A. Muminov, Peculiarities of magnetic resonance in organic ferromagnet of pyrolyzed polyacrylonitrile 142 (1992) 155
Kawaguchi, T., see Dai 142 (1992) 159
Kishore, N., see Malik 142 (1992) 55
Kloprogge, J.T., D. Seykens, J.W. Geus and J.B.H. Jansen, Temperature influence on the Al13 complex in partially neutralized aluminum solutions: a ^{27}Al nuclear magetic resonance study 142 (1992) 87

0022-3093/92/$05.00 © 1992 – Elsevier Science Publishers B.V. All rights reserved

Kloprogge, J.T., D. Seykens, J.B.H. Jansen and J.W. Geus, A ^{27}Al nuclear magnetic resonance study on the optimalization of the development of the Al13 polymer 142 (1992) 94
Konstantinov, L., see Zotov 142 (1992) 234

Lin, G.H., see He 142 (1992) 108

Magrupov, M.A., see Katulevskii 142 (1992) 155
Malik, S.K., K.L. Bhatia, N. Kishore and J.S. Phor, EPR of Mn-doped Pb-modified amorphous germanium chalcogenide semiconductors 142 (1992) 55
Masumoto, T., see Okumura 142 (1992) 165
Miura, Y., see Osaka 142 (1992) 81
Muminov, A.A., see Katulevskii 142 (1992) 155

Nakanishi, K. and N. Soga, Phase separation in silica sol–gel system containing polyacrylic acid. III. Effect of catalytic condition 142 (1992) 36
Nakanishi, K. and N. Soga, Phase separation in silica sol–gel system containing polyacrylic acid. IV. Effect of chemical additives 142 (1992) 45
Nanba, T., see Osaka 142 (1992) 81

Okumura, H., H.S. Chen, A. Inoue and T. Masumoto, Two glass transitions in mechanical relaxation of a $La_{55}Al_{25}Ni_{20}$ amorphous alloy 142 (1992) 165
Oomen, E.W.J.L., see Bernards 142 (1992) 215
Osaka, A., J. Qiu, T. Nanba, J. Takada, Y. Miura and T. Yao, EXAFS of tellurium in the glasses of the B_2O_3–TeO_2 system 142 (1992) 81
Ott, K., M. Dürrwächter, M.A. Haghani and D. Quitmann, Bond character in liquid alloys from magnetic susceptibility 142 (1992) 278
Oyoshi, K., see Hosono 142 (1992) 287

Pantano, C.G., see Wang 142 (1992) 225
Phor, J.S., see Malik 142 (1992) 55
Poon, W., see Farok 142 (1992) 175
Pulcinelli, S.H., see Vollet 142 (1992) 181

Qiu, J., see Osaka 142 (1992) 81
Quitmann, D., see Ott 142 (1992) 278

Re, N., Kinetics of bicomponent sol–gel processes 142 (1992) 1
Rekhson, S.M., see Crichton 142 (1992) 133
Riello, P., see Fagherazzi 142 (1992) 63
Righini, G.C., see Fagherazzi 142 (1992) 63

Santilli, C.V., see Vollet 142 (1992) 181
Saunders, G.A., see Farok 142 (1992) 175
Scherer, G.W., Bending of gel beams: method for characterizing elastic properties and permeability 142 (1992) 18
Seykens, D., see Kloprogge 142 (1992) 87
Seykens, D., see Kloprogge 142 (1992) 94
Shelby, J.E. and E.A. Bolden, Formation and properties of lead fluorogermanate glasses 142 (1992) 269
Singh, A., S.C. Bayliss, S.J. Gurman and E.A. Davis, The amorphous $SiO_x:H_y$ thin films system. III. Structure and bonding 142 (1992) 113
Smith, D.M., see Davis 142 (1992) 189
Smith, D.M., see Davis 142 (1992) 197
Soga, N., see Nakanishi 142 (1992) 36
Soga, N., see Nakanishi 142 (1992) 45
Soga, N., see Tanabe 142 (1992) 148
Suzuki, K., see Dai 142 (1992) 159
Suzuki, S., see Dai 142 (1992) 159
Suzuki, Y., see Hosono 142 (1992) 287

Takada, J., see Osaka 142 (1992) 81
Tanabe, S., K. Hirao and N. Soga, Local structure of rare-earth ions in fluorophosphate glasses by phonon sideband and Mössbauer spectroscopy 142 (1992) 148
Tanaka, S., see Hosono 142 (1992) 287

Van Bommel, M.J., see Bernards 142 (1992) 215
Vass, H., see Farok 142 (1992) 175
Vollet, D.R., R.S. Hiratsuka, S.H. Pulcinelli, C.V. Santilli and A.F. Craievich, Structural characterization of a tin oxyhydroxide gel and its precursor sol 142 (1992) 181

Wang, D.S. and C.G. Pantano, Structural characterization of CaO–B_2O_3–Al_2O_3–SiO_2 xerogels and glasses 142 (1992) 225
Wang, Y., Formation of fluoride glasses based on AlF_3–YbF_3–PbF_2–ZnF_2–BaF_2 142 (1992) 185
Weinberg, M.C., Transformation kinetics of particles with surface and bulk nucleation 142 (1992) 126
Weissmüller, J., Reduced short-range order in amorphous silicon–gold alloys 142 (1992) 70

Yamamoto, K., see Dai 142 (1992) 159
Yanev, Y., see Zotov 142 (1992) 234
Yao, T., see Osaka 142 (1992) 81

Zerda, T.W., see Coffer 142 (1992) 208
Zotov, N., Y. Yanev, M. Epelbaum and L. Konstantinov, Effect of water on the structure of rhyolite glasses – X-ray diffraction and Raman spectroscopy studies 142 (1992) 234

Journal of Non-Crystalline Solids 142 (1992) 295–297
North-Holland

Subject index

Alloys
Magnetic Properties, Bonding, Glasses Containing Transition Metal Ions 142 (1992) 278

Bonding
Alloys, Magnetic Properties, Glasses Containing Transition Metal Ions 142 (1992) 278

Chalcogenides
Crystallization, Kinetics, Modelling 142 (1992) 247
Electron Spin Resonance, Glasses Containing Transition Metal Ions 142 (1992) 55
Small Angle Neutron Scattering, X-ray Diffraction, Structure 142 (1992) 63

Chemical Durability
Ion Implantation, Nitrogen 142 (1992) 159

Colloids
Sol–Gel Processes, Optical Properties 142 (1992) 208

Crystallization
Fluorides 142 (1992) 185
Kinetics, Modelling, Chalcogenides 142 (1992) 247

Densification
Sol–Gel Processes, Sol–Gel Precursors, Small Angle X-ray Scattering 142 (1992) 181

Doping
Fluorescence Spectra, Fluorides, Phosphates 142 (1992) 148

Elastic Properties
Sol–Gel Processes, Liquids, Transport Properties – Gel, Transport Properties – Liquids 142 (1992) 18

Electron Spin Resonance
Chalcogenides, Glasses Containing Transition Metal Ions 142 (1992) 55
Magnetic Properties 142 (1992) 155

EXAFS
Oxides, Structure 142 (1992) 81
Thin Films, Silicates, Hydrogen Effects, XANES 142 (1992) 113

Fluorescence Spectra
Fluorides, Doping, Phosphates 142 (1992) 148
Phosphates, Rare-earth Ions 142 (1992) 175

Fluorides
Crystallization 142 (1992) 185
Fluorescence Spectra, Doping, Phosphates 142 (1992) 148
Germanates, Glass Formation 142 (1992) 269
Optical Properties 142 (1992) 260

Germanates
Fluorides, Glass Formation 142 (1992) 269

Glass Formation
Fluorides, Germanates 142 (1992) 269

Glasses Containing Transition Metal Ions
Alloys, Magnetic Properties, Bonding 142 (1992) 278
Chalcogenides, Electron Spin Resonance 142 (1992) 55

Hydrogen Effects
Silicon Alloys, Photoresponse, Plasma Deposition 142 (1992) 108
Thin Films, Silicates, XANES, EXAFS 142 (1992) 113

Hydrogen in Glass
Nuclear Magnetic Resonance, Infra-red Absorption, Oxides 142 (1992) 103

Infra-red Absorption
Hydrogen in Glass, Nuclear Magnetic Resonance, Oxides 142 (1992) 103
Sol–Gel Precursors, Oxides, Nuclear Magnetic Resonance, Structure 142 (1992) 225

Internal Friction
Metallic Glasses, Phase Separation 142 (1992) 165

Ion Implantation
Nitrogen, Chemical Durability 142 (1992) 159
Silica, Optical Properties 142 (1992) 287

Kinetics
Crystallization, Modelling, Chalcogenides 142 (1992) 247

Liquids
Sol–Gel Processes, Elastic Properties, Transport Properties – Gel, Transport Properties – Liquids 142 (1992) 18

0022-3093/92/$05.00 © 1992 – Elsevier Science Publishers B.V. All rights reserved

Magnetic Properties
Alloys, Bonding, Glasses Containing Transition Metal Ions 142 (1992) 278
Electron Spin Resonance 142 (1992) 155

Metallic Glasses
Phase Separation, Internal Friction 142 (1992) 165

Modelling
Crystallization, Kinetics, Chalcogenides 142 (1992) 247
Sol–Gel Processes 142 (1992) 1

Nitrogen
Ion Implantation, Chemical Durability 142 (1992) 159

Nuclear Magnetic Resonance
Hydrogen in Glass, Infra-red Absorption, Oxides 142 (1992) 103
Polymers, Reactions, Sol–Gel Precursors 142 (1992) 87
Polymers, Reactions, Sol–Gel Precursors 142 (1992) 94
Sol–Gel Precursors, Oxides, Infra-red Absorption, Structure 142 (1992) 225

Nucleation
Surface Reactions, Theory 142 (1992) 126

Optical Properties
Fluorides 142 (1992) 260
Ion Implantation, Silica 142 (1992) 287
Rare-earth Ions, Phosphates 142 (1992) 171
Sol–Gel Processes, Colloids 142 (1992) 208

Oxides
EXAFS, Structure 142 (1992) 81
Hydrogen in Glass, Nuclear Magnetic Resonance, Infra-red Absorption 142 (1992) 103
Sol–Gel Precursors, Infra-red Absorption, Nuclear Magnetic Resonance, Structure 142 (1992) 225

Phase Separation
Metallic Glasses, Internal Friction 142 (1992) 165

Phosphates
Fluorescence Spectra, Fluorides, Doping 142 (1992) 148
Fluorescence Spectra, Rare-earth Ions 142 (1992) 175
Rare-earth Ions, Optical Properties 142 (1992) 171

Photoresponse
Silicon Alloys, Hydrogen Effects, Plasma Deposition 142 (1992) 108

Plasma Deposition
Silicon Alloys, Hydrogen Effects, Photoresponse 142 (1992) 108

Polymers
Nuclear Magnetic Resonance, Reactions, Sol–Gel Precursors 142 (1992) 87
Nuclear Magnetic Resonance, Reactions, Sol–Gel Precursors 142 (1992) 94

Porosity
Sol–Gel Processes, Silica, Structure 142 (1992) 36

Raman Spectra
Water in Glass, X-ray Diffraction, Structure 142 (1992) 234

Rare-earth Ions
Fluorescence Spectra, Phosphates 142 (1992) 175
Optical Properties, Phosphates 142 (1992) 171

Reactions
Nuclear Magnetic Resonance, Polymers, Sol–Gel Precursors 142 (1992) 87
Nuclear Magnetic Resonance, Polymers, Sol–Gel Precursors 142 (1992) 94
Sol–Gel Processes, Silicates 142 (1992) 215

Relaxation
Stress Relaxation, Theory 142 (1992) 133

Short-Range Order
Silicon Alloys, X-ray Diffraction, Structure 142 (1992) 70

Silica
Ion Implantation, Optical Properties 142 (1992) 287
Sol–Gel Processes 142 (1992) 45
Sol–Gel Processes, Structure, Porosity 142 (1992) 36
Sol–Gel Processes, Transient Effects, Thermal Properties 142 (1992) 189
Sol–Gel Processes, Transient Effects, Thermal Properties 142 (1992) 197

Silicates
Sol–Gel Processes, Reactions 142 (1992) 215
Thin Films, Hydrogen Effects, XANES, EXAFS 142 (1992) 113

Silicon Alloys
Hydrogen Effects, Photoresponse, Plasma Deposition 142 (1992) 108
Short-Range Order, X-ray Diffraction, Structure 142 (1992) 70

Small Angle Neutron Scattering
Chalcogenides, X-ray Diffraction, Structure 142 (1992) 63

Small Angle X-ray Scattering
Sol–Gel Processes, Sol–Gel Precursors, Densification 142 (1992) 181

Sol–Gel Precursors
Nuclear Magnetic Resonance, Polymers, Reactions 142 (1992) 87
Nuclear Magnetic Resonance, Polymers, Reactions 142 (1992) 94
Oxides, Infra-red Absorption, Nuclear Magnetic Resonance, Structure 142 (1992) 225
Sol–Gel Processes, Small Angle X-ray Scattering, Densification 142 (1992) 181

Sol–Gel Processes
Colloids, Optical Properties 142 (1992) 208
Elastic Properties, Liquids, Transport Properties – Gel, Transport Properties – Liquids 142 (1992) 18
Modelling 142 (1992) 1
Silica 142 (1992) 45
Silica, Structure, Porosity 142 (1992) 36
Silica, Transient Effects, Thermal Properties 142 (1992) 189
Silica, Transient Effects, Thermal Properties 142 (1992) 197
Silicates, Reactions 142 (1992) 215
Sol–Gel Precursors, Small Angle X-ray Scattering, Densification 142 (1992) 181

Stress Relaxation
Theory, Relaxation 142 (1992) 133

Structure
Chalcogenides, Small Angle Neutron Scattering, X-ray Diffraction 142 (1992) 63
EXAFS, Oxides 142 (1992) 81
Silicon Alloys, Short-Range Order, X-ray Diffraction 142 (1992) 70
Sol–Gel Precursors, Oxides, Infra-red Absorption, Nuclear Magnetic Resonance 142 (1992) 225
Sol–Gel Processes, Silica, Porosity 142 (1992) 36
Water in Glass, X-ray Diffraction, Raman Spectra 142 (1992) 234

Surface Reactions
Nucleation, Theory 142 (1992) 126

Theory
Nucleation, Surface Reactions 142 (1992) 126
Stress Relaxation, Relaxation 142 (1992) 133

Thermal Properties
Sol–Gel Processes, Silica, Transient Effects 142 (1992) 189
Sol–Gel Processes, Silica, Transient Effects 142 (1992) 197

Thin Films
Silicates, Hydrogen Effects, XANES, EXAFS 142 (1992) 113

Transient Effects
Sol–Gel Processes, Silica, Thermal Properties 142 (1992) 189
Sol–Gel Processes, Silica, Thermal Properties 142 (1992) 197

Transport Properties – Gel
Sol–Gel Processes, Elastic Properties, Liquids, Transport Properties – Liquids 142 (1992) 18

Transport Properties – Liquids
Sol–Gel Processes, Elastic Properties, Liquids, Transport Properties – Gel 142 (1992) 18

Water in Glass
X-ray Diffraction, Raman Spectra, Structure 142 (1992) 234

X-ray Diffraction
Chalcogenides, Small Angle Neutron Scattering, Structure 142 (1992) 63
Silicon Alloys, Short-Range Order, Structure 142 (1992) 70
Water in Glass, Raman Spectra, Structure 142 (1992) 234

XANES
Thin Films, Silicates, Hydrogen Effects, EXAFS 142 (1992) 113